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NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 Jan 25 BLAST(R) searching in REGISTRY available in STN on the Web
NEWS 3 Jan 29 FSTA has been reloaded and moves to weekly updates
NEWS 4 Feb 01 DKILIT now produced by FIZ Karlsruhe and has a new update frequency
NEWS 5 Feb 19 Access via Tymnet and SprintNet Eliminated Effective 3/31/02
NEWS 6 Mar 08 Gene Names now available in BIOSIS
NEWS 7 Mar 22 TOXLIT no longer available
NEWS 8 Mar 22 TRCTHERMO no longer available
NEWS 9 Mar 28 US Provisional Priorities searched with P in CA/CAplus and USPATFULL
NEWS 10 Mar 28 LIPINSKI/CALC added for property searching in REGISTRY
NEWS 11 Apr 02 PAPERCHEM no longer available on STN. Use PAPERCHEM2 instead.
NEWS 12 Apr 08 "Ask CAS" for self-help around the clock
NEWS 13 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 14 Apr 09 ZDB will be removed from STN

NEWS EXPRESS February 1 CURRENT WINDOWS VERSION IS V6.0d,
CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002

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FILE 'HOME' ENTERED AT 17:52:47 ON 18 APR 2002

=> file medline

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ENTRY | TOTAL
SESSION |
| 0.21 | 0.21 |

FILE 'MEDLINE' ENTERED AT 17:53:00 ON 18 APR 2002

'FILE LAST UPDATED: 18 APR 2002 (20020418/UP). FILE COVERS 1958 TO DATE.

On April 22, 2001, MEDLINE was reloaded. See HELP RLOAD for details.

MEDLINE now contains IN-PROCESS records. See HELP CONTENT for details.

MEDLINE is now updated 4 times per week. A new current-awareness alert frequency (EVERYUPDATE) is available. See HELP UPDATE for more information.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2001 vocabulary. Enter HELP THESAURUS for details.

The OLDMEDLINE file segment now contains data from 1958 through 1965. Enter HELP CONTENT for details.

Left, right, and simultaneous left and right truncation are available in the Basic Index. See HELP SFIELDS for details.

THIS FILE CONTAINS CAS REGISTRY NUMBERS FOR EASY AND ACCURATE SUBSTANCE IDENTIFICATION.

=> s bacterial toxin

347310 BACTERIAL
8 BACTERIALS
347311 BACTERIAL
(BACTERIAL OR BACTERIALS)
48590 TOXIN
36886 TOXINS
65340 TOXIN
(TOXIN OR TOXINS)
L1 10391 BACTERIAL TOXIN
(BACTERIAL (W) TOXIN)

=> s EtxB

35 ETXB
1 ETXBS
L2 35 ETXB
(ETXB OR ETXBS)

=> s l2 1-35

MISSING OPERATOR L2 1-35

The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> d l2 1-35

L2 ANSWER 1 OF 35 MEDLINE
AN 2002150343 IN-PROCESS
DN 21877323 PubMed ID: 11882700
TI Contribution of the ADP-ribosylating and receptor-binding properties of cholera-like enterotoxins in modulating cytokine secretion by human intestinal epithelial cells.
AU Soriani Marco; Bailey Lorna; Hirst Timothy R
CS Department of Pathology and Microbiology, University of Bristol, Bristol BS8 1TD, UK.
SO MICROBIOLOGY, (2002 Mar) 148 (Pt 3) 667-76.
Journal code: 9430468. ISSN: 1350-0872.
CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)

LA English
FS IN-PROCESS; NONINDEXED; Priority Journals
ED Entered STN: 20020308
Last Updated on STN: 20020308

L2 ANSWER 2 OF 35 MEDLINE
AN 2001419634 MEDLINE
DN 21353030 PubMed ID: 11447291
TI A mutant cholera toxin B subunit that binds GM1- ganglioside but lacks immunomodulatory or toxic activity.
AU Aman A T; Fraser S; Merritt E A; Rodighiero C; Kenny M; Ahn M; Hol W G; Williams N A; Lencer W I; Hirst T R
CS Department of Pathology and Microbiology, University of Bristol, Bristol BS81TD, United Kingdom.
NC AI34501 (NIAID)
SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (2001 Jul 17) 98 (15) 8536-41.
Journal code: PV3; 7505876. ISSN: 0027-8424.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
OS PDB-1G8Z
EM 200108
ED Entered STN: 20010903
Last Updated on STN: 20010903
Entered Medline: 20010830

L2 ANSWER 3 OF 35 MEDLINE
AN 2001392800 MEDLINE
DN 21340378 PubMed ID: 11447169
TI Escherichia coli enterotoxin B subunit triggers apoptosis of CD8(+) T cells by activating transcription factor c-myc.
AU Soriani M; Williams N A; Hirst T R
CS Department of Pathology and Microbiology, University of Bristol, Bristol, BS8 1TD, United Kingdom.
SO INFECTION AND IMMUNITY, (2001 Aug) 69 (8) 4923-30.
Journal code: GO7; 0246127. ISSN: 0019-9567.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200108
ED Entered STN: 20010827
Last Updated on STN: 20010827
Entered Medline: 20010823

L2 ANSWER 4 OF 35 MEDLINE
AN 2001354948 MEDLINE
DN 21178697 PubMed ID: 11282993
TI Evidence for a role of ganglioside GM1 in antigen presentation: binding enhances presentation of Escherichia coli enterotoxin B subunit (**EtxB**) to CD4(+) T cells.
AU Nashar T O; Betteridge Z E; Mitchell R N
CS Department of Pathology and Microbiology, School of Medical Sciences, University of Bristol, Bristol BS8 1TD, UK.
NC RO1 GM 47726 (NIGMS)
SO INTERNATIONAL IMMUNOLOGY, (2001 Apr) 13 (4) 541-51.
Journal code: AY5; 8916182. ISSN: 0953-8178.
CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200106
ED Entered STN: 20010625
Last Updated on STN: 20010625

Entered Medline: 20010621

L2 ANSWER 5 OF 35 MEDLINE
AN 2001248162 MEDLINE
DN 21189275 PubMed ID: 11292779
TI Escherichia coli heat-labile enterotoxin B subunit is a more potent mucosal adjuvant than its closely related homologue, the B subunit of cholera toxin.
AU Millar D G; Hirst T R; Snider D P
CS Department of Pathology and Molecular Medicine, McMaster University, Hamilton, Ontario, Canada L8N 3Z5.. dmillar@uhnres.utoronto.ca
SO INFECTION AND IMMUNITY, (2001 May) 69 (5) 3476-82.
Journal code: GO7; 0246127. ISSN: 0019-9567.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200105
ED Entered STN: 20010517
Last Updated on STN: 20010517
Entered Medline: 20010510

L2 ANSWER 6 OF 35 MEDLINE
AN 2001221761 MEDLINE
DN 20562508 PubMed ID: 11111925
TI Immune modulation by the cholera-like enterotoxin B-subunits: from adjuvant to immunotherapeutic.
AU Williams N A
CS University of Bristol, Department of Pathology and Microbiology, School of Medical Sciences, UK.. Neil.a.williams@bris.ac.uk
SO INTERNATIONAL JOURNAL OF MEDICAL MICROBIOLOGY, (2000 Oct) 290 (4-5) 447-53. Ref: 43
Journal code: DQD; 100898849. ISSN: 1438-4221.
CY GERMANY: Germany, Federal Republic of
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LA English
FS Priority Journals
EM 200105
ED Entered STN: 20010517
Last Updated on STN: 20010517
Entered Medline: 20010503

L2 ANSWER 7 OF 35 MEDLINE
AN 2001210820 MEDLINE
DN 21196418 PubMed ID: 11298654
TI Cholera toxin and Escherichia coli enterotoxin B-subunits inhibit macrophage-mediated antigen processing and presentation: evidence for antigen persistence in non-acidic recycling endosomal compartments.
AU Millar D G; Hirst T R
CS Department of Pathology and Microbiology, University of Bristol, School of Medical Sciences, Bristol BS8 1TD, UK.
SO CELLULAR MICROBIOLOGY, (2001 May) 3 (5) 311-29.
Journal code: DW3; 100883691. ISSN: 1462-5814.
CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200106
ED Entered STN: 20010625
Last Updated on STN: 20010625
Entered Medline: 20010621

L2 ANSWER 8 OF 35 MEDLINE
AN 1999238511 MEDLINE
DN 99238511 PubMed ID: 10220447
TI Intranuclear delivery of an antiviral peptide mediated by the B subunit
of
Escherichia coli heat-labile enterotoxin.
AU Lorean A; Papini E; Satin B; Marsden H S; Hirst T R; Palu G
CS Institute of Microbiology, University of Padua, 35121 Padua, Italy.
SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF
AMERICA, (1999 Apr 27) 96 (9) 5221-6.
Journal code: PV3; 7505876. ISSN: 0027-8424.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199906
ED Entered STN: 19990618
Last Updated on STN: 19990618
Entered Medline: 19990610

L2 ANSWER 9 OF 35 MEDLINE
AN 1999171729 MEDLINE
DN 99171729 PubMed ID: 10073721
TI Immunogenicity of *Actinobacillus* ApXA toxin epitopes fused to the E.
coli
heat-labile enterotoxin B subunit.
AU Bagdasarian M M; Nagai M; Frey J; Bagdasarian M
CS Department of Microbiology, Michigan State University, East Lansing
48824-1312, USA.
SO VACCINE, (1999 Feb 5) 17 (5) 441-7.
Journal code: X60; 8406899. ISSN: 0264-410X.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199905
ED Entered STN: 19990525
Last Updated on STN: 19990525
Entered Medline: 19990507

L2 ANSWER 10 OF 35 MEDLINE
AN 1999134317 MEDLINE
DN 99134317 PubMed ID: 9933586
TI Structural basis for the differential toxicity of cholera toxin and
Escherichia coli heat-labile enterotoxin. Construction of hybrid toxins
identifies the A2-domain as the determinant of differential toxicity.
AU Rodighiero C; Aman A T; Kenny M J; Moss J; Lencer W I; Hirst T R
CS Department of Pathology and Microbiology, University of Bristol, School
of
Medical Sciences, Bristol BS8 1TD, United Kingdom.
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1999 Feb 12) 274 (7) 3962-9.
Journal code: HIV; 2985121R. ISSN: 0021-9258.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199903
ED Entered STN: 19990324
Last Updated on STN: 19990324
Entered Medline: 19990311

L2 ANSWER 11 OF 35 MEDLINE
AN 1998379563 MEDLINE
DN 98379563 PubMed ID: 9713936
TI Display of an inhibin epitope in a surface-exposed loop of the E. coli
heat-labile enterotoxin B subunit.

AU Sewani C R; Bagdasarian M M; Ireland J J; Bagdasarian M
CS Department of Physiology, Michigan State University, East Lansing
48824-1312, USA.
SO VACCINE, (1998 Oct) 16 (17) 1611-9.
Journal code: X60; 8406899. ISSN: 0264-410X.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199810
ED Entered STN: 19981029
Last Updated on STN: 19981029
Entered Medline: 19981022

L2 ANSWER 12 OF 35 MEDLINE
AN 1998018503 MEDLINE
DN 98018503 PubMed ID: 9378497
TI Modulation of B-cell activation by the B subunit of Escherichia coli enterotoxin: receptor interaction up-regulates MHC class II, B7, CD40, CD25 and ICAM-1.
AU Nashar T O; Hirst T R; Williams N A
CS School of Medical Sciences, University of Bristol, UK.
SO IMMUNOLOGY, (1997 Aug) 91 (4) 572-8.
Journal code: GH7; 0374672. ISSN: 0019-2805.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199711
ED Entered STN: 19971224
Last Updated on STN: 19971224
Entered Medline: 19971107

L2 ANSWER 13 OF 35 MEDLINE
AN 97444582 MEDLINE
DN 97444582 PubMed ID: 92999772
TI Hollow-fire bioreactors compared to batch and chemostat culture for the production of a recombinant toxoid by a marine *Librio*.
AU Lloyd J R; Hirst T R; Bunch A W
CS School of Biological Sciences, University of Birmingham, Edgbaston,. UK.J.R.Lloyd@bham.ac.uk
SO APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, (1997 Aug) 48 (2) 155-61.
Journal code: AMC; 8406612. ISSN: 0175-7598.
CY GERMANY: Germany, Federal Republic of
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS B
EM 199710
ED Entered STN: 19971013
Last Updated on STN: 19971013
Entered Medline: 19971001

L2 ANSWER 14 OF 35 MEDLINE
AN 97289759 MEDLINE
DN 97289759 PubMed ID: 9144230
TI Prevention of autoimmune disease due to lymphocyte modulation by the B-subunit of Escherichia coli heat-labile enterotoxin.
AU Williams N A; Stasiuk L M; Nashar T O; Richards C M; Lang A K; Day M J; Hirst T R
CS Department of Pathology and Microbiology, School of Medical Sciences, University of Bristol, Bristol BS8 1TD, United Kingdom.
SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1997 May 13) 94 (10) 5290-5.
Journal code: PV3; 7505876. ISSN: 0027-8424.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)

LA English
FS Priority Journals
EM 199706
ED Entered STN: 19970612
Last Updated on STN: 19970612
Entered Medline: 19970605

L2 ANSWER 15 OF 35 MEDLINE
AN 97128619 MEDLINE
DN 97128619 PubMed ID: 8973177
TI A pH-dependent conformational change in the B-subunit pentamer of Escherichia coli heat-labile enterotoxin: structural basis and possible functional role for a conserved feature of the AB5 toxin family.
AU Ruddock L W; Webb H M; Ruston S P; Cheesman C; Freedman R B; Hirst T R
CS Research School of Biosciences, University of Kent at Canterbury, U.K..
l.w.ruddock@ukc.ac.uk
SO BIOCHEMISTRY, (1996 Dec 17) 35 (50) 16069-76.
Journal code: A0G; 0370623. ISSN: 0006-2960.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199701
ED Entered STN: 19970219
Last Updated on STN: 19980206
Entered Medline: 19970123

L2 ANSWER 16 OF 35 MEDLINE
AN 97090693 MEDLINE
DN 97090693 PubMed ID: 8936601
TI Use of Vibrio spp. for expression of Escherichia coli enterotoxin B subunit fusion proteins: purification and characterization of a chimera containing a C-terminal fragment of DNA polymerase from herpes simplex virus type 1.
AU Loregian A; Hirst T R; Marsden H S; Palu G
CS Institute of Microbiology, University of Padova, Italy.
SO PROTEIN EXPRESSION AND PURIFICATION, (1996 Nov) 8 (3) 381-9.
Journal code: BJV; 9101496. ISSN: 1046-5928.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199703
ED Entered STN: 19970321
Last Updated on STN: 19980206
Entered Medline: 19970313

L2 ANSWER 17 OF 35 MEDLINE
AN 96325012 MEDLINE
DN 96325012 PubMed ID: 8702586
TI Assembly of the B subunit pentamer of Escherichia coli heat-labile enterotoxin. Kinetics and molecular basis of rate-limiting steps in vitro.
CM Erratum in: J Biol Chem 1996 Oct 25;271(43):27188
AU Ruddock L W; Coen J J; Cheesman C; Freedman R B; Hirst T R
CS Research School of Biosciences, University of Kent, Canterbury, Kent CT2 7NJ, United Kingdom.
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1996 Aug 9) 271 (32) 19118-23.
Journal code: HIV; 2985121R. ISSN: 0021-9258.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199609
ED Entered STN: 19960924
Last Updated on STN: 19980206

Entered Medline: 19960916

L2 ANSWER 18 OF 35 MEDLINE
AN 96324796 MEDLINE
DN 96324796 PubMed ID: 8671661
TI Cross-linking of cell surface ganglioside GM1 induces the selective apoptosis of mature CD8+ T lymphocytes.
AU Nahar T O; Williams N A; Hirst T R
CS Research School of Biosciences, University of Kent, Canterbury, UK.
SO INTERNATIONAL IMMUNOLOGY, (1996 May) 8 (5) 731-6. Ref: 24
Journal code: AY5; 8916182. ISSN: 0953-8178.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LA English
FS Priority Journals
EM 199703
ED Entered STN: 19970407
Last Updated on STN: 19970407
Entered Medline: 19970324

L2 ANSWER 19 OF 35 MEDLINE
AN 96133910 MEDLINE
DN 96133910 PubMed ID: 8552610
TI Potent immunogenicity of the B subunits of Escherichia coli heat-labile enterotoxin: receptor binding is essential and induces differential modulation of lymphocyte subsets.
AU Nashar T O; Webb H M; Eaglestone S; Williams N A; Hirst T R
CS Research School of Biosciences, University of Kent, Canterbury, Great Britain.
SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1996 Jan 9) 93 (1) 226-30.
Journal code: PV3; 7505876. ISSN: 0027-8424.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199602
ED Entered STN: 19960306
Last Updated on STN: 19960306
Entered Medline: 19960222

L2 ANSWER 20 OF 35 MEDLINE
AN 96102052 MEDLINE
DN 96102052 PubMed ID: 8530395
TI Kinetics of acid-mediated disassembly of the B subunit pentamer of Escherichia coli heat-labile enterotoxin. Molecular basis of pH stability.
AU Ruddock L W; Ruston S P; Kelly S M; Price N C; Freedman R B; Hirst T R
CS Biological Laboratory, University of Kent, Canterbury, United Kingdom.
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1995 Dec 15) 270 (50) 29953-8.
Journal code: HIV; 2985121R. ISSN: 0021-9258.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199601
ED Entered STN: 19960220
Last Updated on STN: 19970203
Entered Medline: 19960126

L2 ANSWER 21 OF 35 MEDLINE
AN 95378272 MEDLINE
DN 95378272 PubMed ID: 7544352
TI Generation of a monoclonal antibody that recognizes the amino-terminal

decapeptide of the B-subunit of Escherichia coli heat-labile enterotoxin.
A new probe for studying toxin assembly intermediates.

AU Amin T; Larkins A; James R F; Hirst T R
CS Research School of Biosciences, University of Kent, Canterbury, United Kingdom.
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1995 Aug 25) 270 (34) 20143-50.
Journal code: HIV; 2985121R. ISSN: 0021-9258.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199509
ED Entered STN: 19951005
Last Updated on STN: 19960129
Entered Medline: 19950928

L2 ANSWER 22 OF 35 MEDLINE
AN 95278544 MEDLINE
DN 95278544 PubMed ID: 7758771
TI Strategies for the purification of intact and proteolytically-activated native and engineered heat-labile enterotoxins of Escherichia coli.
AU Ruston S; Eaglestone S; Webb H; Hirst T R
CS Research School of Biosciences, University of Kent, Canterbury, UK.
SO BIOCHEMICAL SOCIETY TRANSACTIONS, (1995 Feb) 23 (1) 55S.
Journal code: E48; 7506897. ISSN: 0300-5127.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199506
ED Entered STN: 19950707
Last Updated on STN: 19950707
Entered Medline: 19950626

L2 ANSWER 23 OF 35 MEDLINE
AN 95129913 MEDLINE
DN 95129913 PubMed ID: 7828926
TI Specificity of the protein secretory apparatus: secretion of the heat-labile enterotoxin B subunit pentamers by different species of gram-bacteria.
AU Michel L O; Sandkvist M; Bagdasarian M
CS NSF Center for Microbial Ecology, Michigan State University, East Lansing 48824.
SO GENE, (1995 Jan 11) 152 (1) 41-5.
Journal code: FOP; 7706761. ISSN: 0378-1119.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199502
ED Entered STN: 19950307
Last Updated on STN: 19950307
Entered Medline: 19950223

L2 ANSWER 24 OF 35 MEDLINE
AN 95058206 MEDLINE
DN 95058206 PubMed ID: 7968540
TI Suppression of temperature-sensitive assembly mutants of heat-labile enterotoxin B subunits.
AU Sandkvist M; Bagdasarian M
CS Department of Microbiology, Michigan State University, East Lansing 48824.
SO MOLECULAR MICROBIOLOGY, (1993 Nov) 10 (3) 635-45.
Journal code: MOM; 8712028. ISSN: 0950-382X.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)

LA English
FS Priority Journals
EM 199412
ED Entered STN: 19950110
Last Updated on STN: 19950110
Entered Medline: 19941208

L2 ANSWER 25 OF 35 MEDLINE
AN 94331983 MEDLINE
DN 94331983 PubMed ID: 8054855
TI Purification of the B-subunit oligomer of Escherichia coli heat-labile enterotoxin by heterologous expression and secretion in a marine vibrio.
AU Amin T; Hirst T R
CS Biological Laboratory, The University, Canterbury, Kent, United Kingdom.
SO PROTEIN EXPRESSION AND PURIFICATION, (1994 Apr) 5 (2) 198-204.
Journal code: BJV; 9101496. ISSN: 1046-5928.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199409
ED Entered STN: 19940920
Last Updated on STN: 19940920
Entered Medline: 19940913

L2 ANSWER 26 OF 35 MEDLINE
AN 94237439 MEDLINE
DN 94237439 PubMed ID: 8181710
TI Efficient extracellular production of hybrid E. coli heat-labile enterotoxin B subunits in a marine Vibrio.
AU Marcello A; Leregian A; Palu G; Hirst T R
CS Institute of Microbiology, University of Padua, Italy.
SO FEMS MICROBIOLOGY LETTERS, (1994 Mar 15) 117 (1) 47-51.
Journal code: FML; 7705721. ISSN: 0378-1097.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199406
ED Entered STN: 19940621
Last Updated on STN: 20000303
Entered Medline: 19940615

L2 ANSWER 27 OF 35 MEDLINE
AN 93365861 MEDLINE
DN 93365861 PubMed ID: 8359463
TI A new method for the purification of the B subunit (**EtxB**) of Escherichia coli heat-labile enterotoxin.
AU Amin T; Marcello A; Hirst T R
CS Biological Laboratory, University of Kent, Canterbury, U.K.
SO BIOCHEMICAL SOCIETY TRANSACTIONS, (1993 May) 21 (2) 213S.
Journal code: E48; 7506897. ISSN: 0300-5127.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199309
ED Entered STN: 19931015
Last Updated on STN: 19931015
Entered Medline: 19930930

L2 ANSWER 28 OF 35 MEDLINE
AN 93175126 MEDLINE
DN 93175126 PubMed ID: 7679865
TI Current progress in the development of the B subunits of cholera toxin and

Escherichia coli heat-labile enterotoxin as carriers for the oral delivery
of heterologous antigens and epitopes.

AU Nashar T O; Amin T; Marcelllo A; Hirst T R
CS Biological Laboratory, University of Kent, Canterbury, UK.
SO VACCINE, (1993) 11 (2) 235-40. Ref: 49
Journal code: X6O; 8406899. ISSN: 0264-410X.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LA English
FS Priority Journals
EM 199303
ED Entered STN: 19930402
Last Updated on STN: 19960129
Entered Medline: 19930323

L2 ANSWER 29 OF 35 MEDLINE
AN 93101683 MEDLINE
DN 93101683 PubMed ID: 1465452
TI Intermolecular interactions between the A and B subunits of heat-labile enterotoxin from Escherichia coli promote holotoxin assembly and stability
in vivo.
AU Streatfield S J; Sandkvist M; Sixma T K; Bagdasarian M; Hol W G; Hirst T R
CS Biological Laboratory, University of Kent, Canterbury, Great Britain.
SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1992 Dec 15) 89 (24) 12140-4.
Journal code: PV3; 7505876. ISSN: 0027-8424.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199301
ED Entered STN: 19930205
Last Updated on STN: 19930205
Entered Medline: 19930119

L2 ANSWER 30 OF 35 MEDLINE
AN 93051246 MEDLINE
DN 93051246 PubMed ID: 1427007
TI Comparison of the nucleotide sequence and development of a PCR test for the epsilon toxin gene of Clostridium perfringens type B and type D.
AU Havard H L; Hunter S E; Titball R W
CS Chemical and Biological Defence Establishment, Salisbury, UK.
SO FEMS MICROBIOLOGY LETTERS, (1992 Oct 1) 76 (1-2) 77-81.
Journal code: FML; 7705721. ISSN: 0378-1097.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
OS GENBANK-M95206
EM 199212
ED Entered STN: 19930122
Last Updated on STN: 19930122
Entered Medline: 19921208

L2 ANSWER 31 OF 35 MEDLINE
AN 92374846 MEDLINE
DN 92374846 PubMed ID: 1324389
TI A homologue of the Escherichia coli DsbA protein involved in disulphide bond formation is required for enterotoxin biogenesis in Vibrio cholerae.
AU Yu J; Webb H; Hirst T R

CS Biological Laboratory, University of Kent, Canterbury, UK.
SO MOLECULAR MICROBIOLOGY, (1992 Jul) 6 (14) 1949-58.
Journal code: MOM; 8712028. ISSN: 0950-382X.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
OS GENBANK-X64725
EM 199209
ED Entered STN: 19921009
Last Updated on STN: 19990129
Entered Medline: 19920922

L2 ANSWER 32 OF 35 MEDLINE
AN 92268852 MEDLINE
DN 92268852 PubMed ID: 1588306
TI Expression of the B subunit of Escherichia coli heat-labile enterotoxin
in a marine Vibrio and in a mutant that is pleiotropically defective in the
secretion of extracellular proteins.
AU Leece R; Hirst T R
CS Department of Genetics, University of Leicester, UK.
SO JOURNAL OF GENERAL MICROBIOLOGY, (1992 Apr) 138 (Pt 4) 719-24.
Journal code: I87; 0375371. ISSN: 0022-1287.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199206
ED Entered STN: 19920710
Last Updated on STN: 19920710
Entered Medline: 19920625

L2 ANSWER 33 OF 35 MEDLINE
AN 92140031 MEDLINE
DN 92140031 PubMed ID: 1779757
TI Targeting and assembly of an oligomeric bacterial enterotoxoid in the
endoplasmic reticulum of *Saccharomyces cerevisiae*.
AU Schonberger O; Hirst T R; Pines O
CS Department of Molecular Biology, Hebrew University, Hadassah Medical
School, Jerusalem, Israel.
SO MOLECULAR MICROBIOLOGY, (1991 Nov) 5 (11) 2663-71.
Journal code: MOM; 8712028. ISSN: 0950-382X.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199203
ED Entered STN: 19920329
Last Updated on STN: 19960129
Entered Medline: 19920310

L2 ANSWER 34 OF 35 MEDLINE
AN 90368708 MEDLINE
DN 90368708 PubMed ID: 2203772
TI Minimal deletion of amino acids from the carboxyl terminus of the B
subunit of heat-labile enterotoxin causes defects in its assembly and
release from the cytoplasmic membrane of *Escherichia coli*.
AU Sandkvist M; Hirst T R; Bagdasarian M
CS Department of Microbiology, Michigan State University, Lansing 48909.
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1990 Sep 5) 265 (25) 15239-44.
Journal code: HIV; 2985121R. ISSN: 0021-9258.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals

EM 199010
ED Entered STN: 19901109
Last Updated on STN: 19901109
Entered Medline: 19901009

L2 ANSWER 35 OF 35 MEDLINE
AN 88007397 MEDLINE
DN 88007397 PubMed ID: 2820934
TI Alterations at the carboxyl terminus change assembly and secretion properties of the B subunit of Escherichia coli heat-labile enterotoxin.
AU Sandkvist M; Hirst T R; Bagdasarian M
CS Institute for Applied Cell and Molecular Biology, Umea University, Sweden.
SO JOURNAL OF BACTERIOLOGY, (1987 Oct) 169 (10) 4570-6.
Journal code: HH3; 2985120R. ISSN: 0021-9193.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198711
ED Entered STN: 19900305
Last Updated on STN: 19900305
Entered Medline: 19871105

=>
<-----User Break----->

=>
<-----User Break----->

=> d 19

L2 ANSWER 19 OF 35 MEDLINE
AN 96133910 MEDLINE
DN 96133910 PubMed ID: 8552610
TI Potent immunogenicity of the B subunits of Escherichia coli heat-labile enterotoxin: receptor binding is essential and induces differential modulation of lymphocyte subsets.
AU Nashar T O; Webb H M; Eaglestone S; Williams N A; Hirst T R
CS Research School of Biosciences, University of Kent, Canterbury, Great Britain.
SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1996 Jan 9) 93 (1) 226-30.
Journal code: PV3; 7505876. ISSN: 0027-8424.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199602
ED Entered STN: 19960306
Last Updated on STN: 19960306
Entered Medline: 19960222

=> d ab 19

L2 ANSWER 19 OF 35 MEDLINE
AB The importance of receptor binding in the potent immunogenicity of Escherichia coli heat-labile enterotoxin B subunit (**EtxB**) was tested by comparing its immunological properties with those of a receptor binding mutant, **EtxB(G33D)**. Subcutaneous immunization of **EtxB(G33D)** resulted in 160-fold reduction in antibody titer compared with wild-type **EtxB**, whereas its oral delivery failed

to provoke any detectable secretory or serum anti-B subunit responses. Moreover, the two proteins induced strikingly different effects on lymphocyte cultures in vitro. **EtxB**, in comparison with **EtxB**(G33D), caused an increase in the proportion of B cells, many of which were activated (CD25+); the complete depletion of CD8+ T cells; an increase in the activation of CD4+ T cells; and an increase in interleukin 2 and a decrease in interferon gamma. These data indicate that

EtxB exerts profound effects on immune cells, suggesting that its potent immunogenicity is dependent not only on efficient receptor-mediated uptake, but also on direct receptor-mediated immunomodulation of lymphocyte subsets.

=>
-----User Break----->

=> d all

L2 ANSWER 1 OF 35 MEDLINE
AN 2002150343 IN-PROCESS
DN 21877323 PubMed ID: 11882700
TI Contribution of the ADP-ribosylating and receptor-binding properties of cholera-like enterotoxins in modulating cytokine secretion by human intestinal epithelial cells.
AU Soriani Marco; Bailey Lorna; Hirst Timothy R
CS Department of Pathology and Microbiology, University of Bristol, Bristol BS8 1TD, UK.
SO MICROBIOLOGY, (2002 Mar) 148 (Pt 3) 667-76.
Journal code: 9430468. ISSN: 1350-0872.
CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS IN-PROCESS; NONINDEXED; Priority Journals
ED Entered STN: 20020308
Last Updated on STN: 20020308
AB When epithelial cells first encounter cholera toxin (Ctx) produced by *Vibrio cholerae* they secrete not only chloride ions responsible for causing diarrhoea, but also a number of cytokines that may contribute to the toxin's potent immunomodulatory properties. Much less is known about the ability of the heat-labile enterotoxin of *Escherichia coli* (Etx), a close homologue of Ctx, to elicit cytokine secretion by epithelial cells. This study shows that treatment of human intestinal epithelial T84 cells with Etx induces expression of IL-6, IL-10, IL-1R antagonist, as well as IL-1alpha and IL-1beta and low levels of IL-8. Such induction was totally dependent on the intrinsic ADP-ribosylating activity of the toxin A-subunit, and could be mimicked by cAMP-elevating agents, such as forskolin and dibutyryl cAMP. By comparison, neither an enzymically inactive mutant of Etx nor **EtxB** was able to induce cytokine secretion. The behaviour of Ctx and CtxB was very similar to that of Etx and **EtxB**, respectively. The spectrum of cytokines released by Etx and Ctx indicates that the toxins may create a local microenvironment that strongly biases the immune response towards an anti-inflammatory and a polarized Th2 response.

=> d his

(FILE 'HOME' ENTERED AT 17:52:47 ON 18 APR 2002)

FILE 'MEDLINE' ENTERED AT 17:53:00 ON 18 APR 2002
L1 10391 S BACTERIAL TOXIN
L2 35 S ETXB

```
=> s free

      366951 FREE
      173 FREES
L3      367109 FREE
          (FREE OR FREES)

=> s l2 and l3

L4          0 L2 AND L3

=> ETXB free

ETXB IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (>).

=> s etxb free

      35 ETXB
      1 ETXBS
      35 ETXB
          (ETXB OR ETXBS)
      366951 FREE
      173 FREES
      367109 FREE
          (FREE OR FREES)
L5          0 ETXB FREE
          (ETXB (W) FREE)

=>
<-----User Break----->

=> s immunodulator

      5 IMMUNODULATOR
      7 IMMUNODULATORS
L6      12 IMMUNODULATOR
          (IMMUNODULATOR OR IMMUNODULATORS)

=> s herpes virus

      36720 HERPES
      2 HERPESES
      36722 HERPES
          (HERPES OR HERPESES)
      322252 VIRUS
      99401 VIRUSES
      347665 VIRUS
          (VIRUS OR VIRUSES)
L7      2842 HERPES VIRUS
          (HERPES (W) VIRUS)

=> s influenza virus

      32915 INFLUENZA
      12 INFLUENZAS
      32917 INFLUENZA
          (INFLUENZA OR INFLUENZAS)
      322252 VIRUS
      99401 VIRUSES
      347665 VIRUS
          (VIRUS OR VIRUSES)
L8      12218 INFLUENZA VIRUS
```

(INFLUENZA(W) VIRUS)

=> s respiratory syncytial virus

225196 RESPIRATORY
37 RESPIRATORIES
225199 RESPIRATORY
(RESPIRATORY OR RESPIRATORIES)
6855 SYNCYTIAL
322252 VIRUS
99401 VIRUSES
347665 VIRUS
(VIRUS OR VIRUSES)
L9 5119 RESPIRATORY SYNCYTIAL VIRUS
(RESPIRATORY(W) SYNCYTIAL(W) VIRUS)

=> d his

(FILE 'HOME' ENTERED AT 17:52:47 ON 18 APR 2002)

FILE 'MEDLINE' ENTERED AT 17:53:00 ON 18 APR 2002
L1 10391 S BACTERIAL TOXIN
L2 35 S ETXB
L3 367109 S FREE
L4 0 S L2 AND L3
L5 0 S ETXB FREE
L6 12 S IMMUNODULATOR
L7 2842 S HERPES VIRUS
L8 12218 S INFLUENZA VIRUS
L9 5119 S RESPIRATORY SYNCYTIAL VIRUS

=> d 16

L6 ANSWER 1 OF 12 MEDLINE
AN 2001562350 MEDLINE
DN 21520603 PubMed ID: 11642029
TI [Drug-induced hemolytic anemia].
Anemie hemolytique induite par les medicaments.
AU Wautier J L; Rouger P
CS Institut national de la transfusion sanguine, 6, rue Alexandre-Cabanel,
75015 Paris, France.. wautier@ints.fr
SO TRANSFUSION CLINIQUE ET BIOLOGIQUE, (2001 Aug) 8 (4) 377-80. Ref: 17
Journal code: 9423846. ISSN: 1246-7820.
CY France
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LA French
FS Priority Journals
EM 200112
ED Entered STN: 20011022
Last Updated on STN: 20020124
Entered Medline: 20011231

=> d 16 1-12

L6 ANSWER 1 OF 12 MEDLINE
AN 2001562350 MEDLINE
DN 21520603 PubMed ID: 11642029
TI [Drug-induced hemolytic anemia].
Anemie hemolytique induite par les medicaments.
AU Wautier J L; Rouger P

CS Institut national de la transfusion sanguine, 6, rue Alexandre-Cabanel,
75015 Paris, France.. wautier@ints.fr
SO TRANSFUSION CLINIQUE ET BIOLOGIQUE, (2001 Aug) 8 (4) 377-80. Ref: 17
. Journal code: 9423846. ISSN: 1246-7820.
CY France
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LA French
FS Priority Journals
EM 200112
ED Entered STN: 20011022
Last Updated on STN: 20020124
Entered Medline: 20011231

L6 ANSWER 2 OF 12 MEDLINE
AN 2001455676 MEDLINE
DN 21393145 PubMed ID: 11501133
TI Effect of different immunomodulators on macrophage function in rats with
scald injury.
AU Zhuo A; Chen A; Shen F
CS 465th Hospital of People's Liberation Army, Jilin, 132011.
SO CHUNG-HUA CHENG HSING SHAO SHANG WAI KO TSA CHIH [CHINESE JOURNAL OF
PLASTIC SURGERY AND BURNS], (1999 Mar) 15 (2) 105-8.
Journal code: 8510296. ISSN: 1000-7806.
CY China
DT Journal; Article; (JOURNAL ARTICLE)
LA Chinese
FS Priority Journals
EM 200112
ED Entered STN: 20010815
Last Updated on STN: 20020122
Entered Medline: 20011205

L6 ANSWER 3 OF 12 MEDLINE
AN 2000028826 MEDLINE
DN 20028826 PubMed ID: 10563086
TI [Acyclovir may modulate clonal expansion of cd8+ lymphocytes induced by
the Cytomegalovirus antigen].
El aciclovir puede modular la expansion clonal de linfocitos CD8+
inducida
por antigeno de Citomegalovirus.
AU Gavilan F; Caballero J; Cardenas M; Moreno J; Martinez L; Gallego C;
Sanchez-Guijo P; Torre-Cisneros J
CS Seccion de Enfermedades Infecciosas, Hospital Universitario Reina Sofia,
Cordoba.
SO ENFERMEDADES INFECCIOSAS Y MICROBIOLOGIA CLINICA, (1999 Oct) 17 (8)
390-3.
Journal code: A10; 9104081. ISSN: 0213-005X.
CY Spain
DT Journal; Article; (JOURNAL ARTICLE)
LA Spanish
FS Priority Journals
EM 199912
ED Entered STN: 20000113
Last Updated on STN: 20000113
Entered Medline: 19991214

L6 ANSWER 4 OF 12 MEDLINE
AN 93122320 MEDLINE
DN 93122320 PubMed ID: 1478324
TI Osteoblastic and chondroblastic response to a variety of locally
administered immunomodulators in mice.
AU Wlodarski K H; Galus K
CS Department of Histology and Embryology, Institute of Biostructure,
Medical

Academy, Warsaw.
SO FOLIA BIOLOGICA, (1992) 38 (5) 284-92.
Journal code: EYH; 0234640. ISSN: 0015-5500.
CY Czechoslovakia
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199302
ED Entered STN: 19930226
Last Updated on STN: 19930226
Entered Medline: 19930210

L6 ANSWER 5 OF 12 MEDLINE
AN 91136109 MEDLINE
DN 91136109 PubMed ID: 2126682
TI Inhibition of growth of subcutaneous xenografts and metastasis of human breast carcinoma by swainsonine: modulation of tumor cell HLA class I antigens and host immune effector mechanisms.
AU Mohla S; White S; Grzegorzewski K; Nielsen D; Dunston G; Dickson L; Cha J K; Asseffa A; Olden K
CS Howard University Cancer Center, Washington, D.C.
NC CA-14718 (NCI)
CA-34918 (NCI)
SO ANTICANCER RESEARCH, (1990 Nov-Dec) 10 (6) 1515-22.
Journal code: 59L; 8102988. ISSN: 0250-7005.
CY Greece
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199103
ED Entered STN: 19910405
Last Updated on STN: 19910405
Entered Medline: 19910315

L6 ANSWER 6 OF 12 MEDLINE
AN 91004587 MEDLINE
DN 91004587 PubMed ID: 2208570
TI Tumor vaccines.
AU Bystryn J C
CS Melanoma Program, Kaplan Cancer Center, New York University School of Medicine, NY 10016.
NC CA34358 (NCI)
SO CANCER AND METASTASIS REVIEWS, (1990 Jul) 9 (1) 81-91. Ref: 44
Journal code: C9H; 8605731. ISSN: 0891-9992.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LA English
FS Priority Journals
EM 199011
ED Entered STN: 19910117
Last Updated on STN: 19910117
Entered Medline: 19901107

L6 ANSWER 7 OF 12 MEDLINE
AN 90352584 MEDLINE
DN 90352584 PubMed ID: 2117482
TI Antitumor effects of alpha-interferon and gamma-interferon on a murine renal cancer (Renca) in vitro and in vivo.
AU Sayers T J; Wiltzout T A; McCormick K; Husted C; Wiltzout R H
CS Biological Carcinogenesis Development Program, NCI-Frederick Cancer Research Facility, Maryland 21701-1013.
NC NO1-CO-74102 (NCI)
SO CANCER RESEARCH, (1990 Sep 1) 50 (17) 5414-20.
Journal code: CNF; 2984705R. ISSN: 0008-5472.

CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199009
ED Entered STN: 19901026
Last Updated on STN: 20000303
Entered Medline: 19900927

L6 ANSWER 8 OF 12 MEDLINE
AN 90348363 MEDLINE
DN 90348363 PubMed ID: 2117182
TI Influence of a bacterial extract on antigen presentation and protection against experimental infections.
AU Fontanges R; Bottex C; Cristau B; Burckhart M F
CS French Army Medical Research Center, La Tronche.
SO LUNG, (1990) 168 Suppl 716-9.
Journal code: LA2; 7701875. ISSN: 0341-2040.

CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199009
ED Entered STN: 19901026
Last Updated on STN: 19901026
Entered Medline: 19900920

L6 ANSWER 9 OF 12 MEDLINE
AN 90187857 MEDLINE
DN 90187857 PubMed ID: 1690238
TI Prevention of experimental autoimmune thyroiditis through the anti-idiotypic network.
AU Roubaty C; Bedin C; Charreire J
CS INSERM U, 283, Hopital Cochin, Paris, France.
SO JOURNAL OF IMMUNOLOGY, (1990 Mar 15) 144 (6) 2167-72.
Journal code: IFB; 2985117R. ISSN: 0022-1767.

CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Abridged Index Medicus Journals; Priority Journals
EM 199004
ED Entered STN: 19900601
Last Updated on STN: 19960129
Entered Medline: 19900416

L6 ANSWER 10 OF 12 MEDLINE
AN 89374445 MEDLINE
DN 89374445 PubMed ID: 2789052
TI Characterization of the antitumor activity of a polyantigenic immunomodulator (PAI): I--Utilization of cimetidine and cyclosporine A.
AU Rios-Olivares E; Orraca Z M; Carrasco-Canales J A; Alvarado L; Marchand A M; Colon J I
NC RR-03035 (NCRR)
RR-08159 (NCRR)
SO BOLETIN - ASOCIACION MEDICA DE PUERTO RICO, (1989 Jul) 81 (7) 246-53.
Journal code: AB4; 7505267. ISSN: 0004-4849.

CY Puerto Rico
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198910
ED Entered STN: 19900309
Last Updated on STN: 19970203
Entered Medline: 19891016

L6 ANSWER 11 OF 12 MEDLINE

AN 82206326 MEDLINE
DN 82206326 PubMed ID: 6282290
TI [Drug-induced changes in chemotaxis under normal conditions and in rheumatoid arthritis].
Modificazioni farmacologicamente indotte della chemiotassi in condizioni normali e nell'artrite reumatoide.
AU Berti C; Pellegrini R; Lalumera M; Morozzi G; Marcolongo R
SO BOLLETTINO - SOCIETA ITALIANA BIOLOGIA SPERIMENTALE, (1982 Apr 15) 58 (7) 378-84.
Journal code: ALS; 7506962. ISSN: 0037-8771.
CY Italy
DT Journal; Article; (JOURNAL ARTICLE)
LA Italian
FS Priority Journals
EM 198208
ED Entered STN: 19900317
Last Updated on STN: 19900317
Entered Medline: 19820807

L6 ANSWER 12 OF 12 MEDLINE
AN 81103621 MEDLINE
DN 81103621 PubMed ID: 7455909
TI Improved survival in severely burned animals using intravenous Corynebacterium parvum vaccine post injury.
AU Stinnett J D; Alexander J W; Morris M J; Dreffer R L; Craycraft T K; Anderson P E; Ogle C K; MacMillan B G
NC AI 12936 (NIAID)
SO SURGERY, (1981 Feb) 89 (2) 237-42.
Journal code: VC3; 0417347. ISSN: 0039-6060.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Abridged Index Medicus Journals; Priority Journals
EM 198103
ED Entered STN: 19900316
Last Updated on STN: 19970203
Entered Medline: 19810324

=> d his

(FILE 'HOME' ENTERED AT 17:52:47 ON 18 APR 2002)

FILE 'MEDLINE' ENTERED AT 17:53:00 ON 18 APR 2002
L1 10391 S BACTERIAL TOXIN
L2 35 S ETXB
L3 367109 S FREE
L4 0 S L2 AND L3
L5 0 S ETXB FREE
L6 12 S IMMUNODULATOR
L7 2842 S HERPES VIRUS
L8 12218 S INFLUENZA VIRUS
L9 5119 S RESPIRATORY SYNCYTIAL VIRUS

=> s 17 and 18 and 19

L10 2 L7 AND L8 AND L9

=> d l10

L10 ANSWER 1 OF 2 MEDLINE
AN 1999095492 MEDLINE
DN 99095492 PubMed ID: 9879419
TI An epidemiological study of postviral olfactory disorder.

AU Sugiura M; Aiba T; Mori J; Nakai Y
CS Department of Otolaryngology, PL Hospital, Osaka, Japan.
SO ACTA OTO-LARYNGOLOGICA. SUPPLEMENT, (1998) 538 191-6.
Journal code: 1HD; 0370355. ISSN: 0365-5237.
CY Norway
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199903
ED Entered STN: 19990326
Last Updated on STN: 20000303
Entered Medline: 19990318

=> d 110 1-2

L10 ANSWER 1 OF 2 MEDLINE
AN 1999095492 MEDLINE
DN 99095492 PubMed ID: 9879419
TI An epidemiological study of postviral olfactory disorder.
AU Sugiura M; Aiba T; Mori J; Nakai Y
CS Department of Otolaryngology, PL Hospital, Osaka, Japan.
SO ACTA OTO-LARYNGOLOGICA. SUPPLEMENT, (1998) 538 191-6.
Journal code: 1HD; 0370355. ISSN: 0365-5237.
CY Norway
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199903
ED Entered STN: 19990326
Last Updated on STN: 20000303
Entered Medline: 19990318

L10 ANSWER 2 OF 2 MEDLINE
AN 96378025 MEDLINE
DN 96378025 PubMed ID: 8783800
TI Antiviral properties of extract of Opuntia streptacantha.
AU Ahmad A; Davies J; Randall S; Skinner G R
CS Department of Infection, Medical School, University of Birmingham, UK.
SO ANTIVIRAL RESEARCH, (1996 May) 30 (2-3) 75-85.
Journal code: 6I7; 8109699. ISSN: 0166-3542.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199705
ED Entered STN: 19970514
Last Updated on STN: 19970514
Entered Medline: 19970502

=>

---Logging off of STN---

=>
Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS

SINCE FILE
ENTRY

TOTAL
SESSION

FULL ESTIMATED COST

20.97

21.18

STN INTERNATIONAL LOGOFF AT 18:13:36 ON 18 APR 2002